



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHTLOWT4022ACT120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2018.0.0 see: www.ltioptics.com/ies
 [ISSUEDATE]
 [TESTDATE] Wed Jul 18 16:14:50 2018
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS830LEDLOWT4022ACT120-277[_P
 [LAMP] LED 0.195W White 5630 package (65mA)
 [LAMPCAT] SPMWHT541MD-3900K
 [OTHER]
 IESNA:LM-63-2002
 [TEST] 6,552
 [TESTLAB] CSA Group
 [ISSUEDATE] 7/24/2013 1:09:24 PM
 [MANUFAC] Beghelli
 [OTHER] Luminous shape: Rectangle
 [OTHER] Luminous dimensions (feet)
 [OTHER] 0 - 180 Axis: 4.2
 [OTHER] 90 - 270 Axis: 0.6
 [OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13583
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7861	6606	7861
55	4851	3955	4851
65	2686	2120	2686
75	1562	1188	1562
85	363	264	363

CANDELA TABULATION

	<u>0</u>
0	6276.009
5	6182.778
10	6123.835
15	5996.835
20	5683.129
25	5205.446
30	4733.534
35	4258.598
40	3823.596
45	3356.573
50	2721.197
55	2010.212
60	1387.924
65	1045.271
70	795.178
75	550.099
80	302.232
85	110.628
90	28.787
95	10.928
100	9.324
105	9.769
110	8.106
115	9.282
120	13.516
125	16.674
130	17.732
135	16.136
140	12.877
145	11.290
150	11.155
155	11.038
160	11.332
165	12.205
170	14.028
175	13.944
180	20.303

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2270.77	N.A.	16.70
0-30	4670.57	N.A.	34.40
0-40	7343.17	N.A.	54.10
0-60	11714.98	N.A.	86.20
0-80	13352.2	N.A.	98.30
0-90	13502.56	N.A.	99.40
10-90	12913.37	N.A.	95.10
20-40	5072.4	N.A.	37.30
20-50	7629.97	N.A.	56.20
40-70	5429.33	N.A.	40.00
60-80	1637.22	N.A.	12.10
70-80	579.69	N.A.	4.30
80-90	150.36	N.A.	1.10
90-110	26.16	N.A.	0.20
90-120	36.10	N.A.	0.30
90-130	50.56	N.A.	0.40
90-150	70.12	N.A.	0.50
90-180	80.18	N.A.	0.60
110-180	54.02	N.A.	0.40
0-180	13582.73	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	589.19
10-20	1681.58
20-30	2399.8
30-40	2672.61
40-50	2557.57
50-60	1814.24
60-70	1057.53
70-80	579.69
80-90	150.36
90-100	16.38
100-110	9.78
110-120	9.94
120-130	14.46
130-140	12.22
140-150	7.34
150-160	5.15
160-170	3.50
170-180	1.41

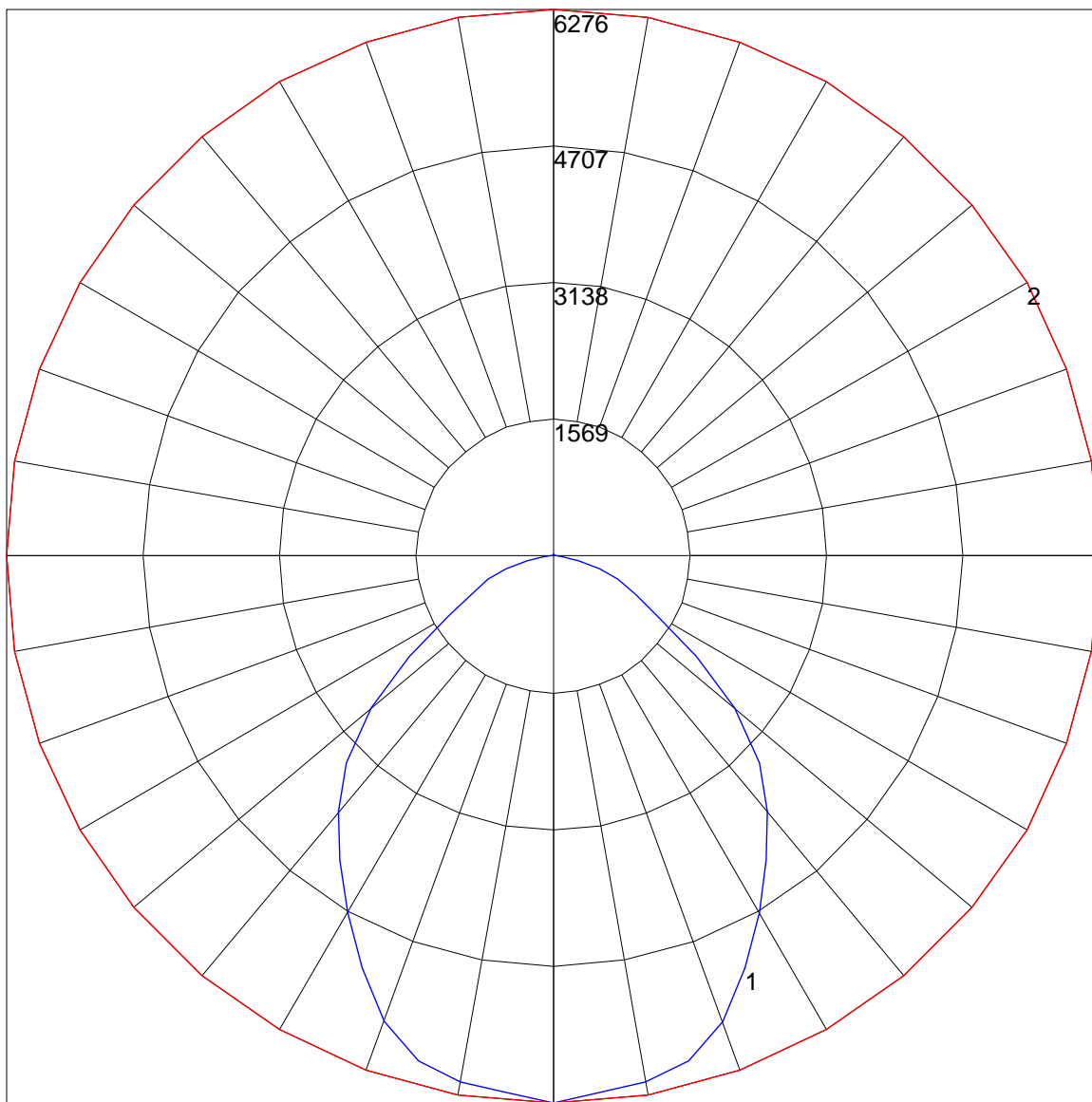
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	68	59	53	77	66	59	53	64	58	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 6276.009 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)